

Table 10. Agricultural Chemicals Used, Including Fertilizer: 1997 and 1992

[Data are based on a sample of farms. For meaning of abbreviations and symbols, see introductory text]

Chemicals used	Ohio						
	Ohio	Adams	Allen	Ashland	Ashtabula	Athens	Auglaize
Commercial fertilizer farms, 1997..	47 322	1 110	761	652	612	228	820
..... 1992..	52 265	1 154	791	726	689	301	794
acres on which used, 1997..	7 622 092	49 344	133 580	99 114	48 192	8 715	145 588
..... 1992..	7 528 610	42 690	133 394	91 457	48 750	12 226	140 810
Cropland fertilized, except pastureland farms, 1997..	45 910	1 061	747	631	601	215	804
..... 1992..	51 381	1 138	786	724	666	263	782
acres on which used, 1997..	7 467 640	39 695	133 360	97 493	46 840	7 115	144 940
..... 1992..	7 402 497	33 755	133 186	89 603	47 910	10 325	140 692
Pastureland and rangeland fertilized..... farms, 1997..	5 593	248	16	60	62	58	39
..... 1992..	4 790	273	25	65	47	88	20
acres on which used, 1997..	154 452	9 649	220	1 621	1 352	1 600	648
..... 1992..	126 113	8 935	208	1 854	840	1 901	118
Sprays, dusts, granules, fumigants, etc., to control—							
Insects on hay and other crops farms, 1997..	12 871	220	125	239	184	31	184
..... 1992..	19 490	504	174	301	238	88	251
acres on which used, 1997..	1 200 313	6 472	7 899	18 972	5 119	860	14 958
..... 1992..	1 446 415	9 239	17 503	25 559	5 230	3 152	16 262
Nematodes in crops farms, 1997..	981	9	6	18	24	12	26
..... 1992..	1 112	12	24	38	16	1	21
acres on which used, 1997..	86 595	520	480	2 069	1 388	84	2 244
..... 1992..	105 944	207	1 035	3 592	781	(D)	1 253
Diseases in crops and orchards..... farms, 1997..	2 986	79	33	15	59	20	27
..... 1992..	3 299	134	33	38	115	2	31
acres on which used, 1997..	130 829	265	879	610	823	124	2 416
..... 1992..	129 403	747	663	1 214	1 581	(D)	3 004
Weeds, grass, or brush in crops and pasture farms, 1997..	32 164	326	620	522	346	63	643
..... 1992..	37 461	479	715	517	432	121	700
acres on which used, 1997..	6 586 521	22 352	126 745	79 750	30 379	3 723	133 261
..... 1992..	6 492 112	19 137	129 467	61 477	30 379	2 261	121 715
Chemicals used on crops to control growth, thin fruit, or defoliate farms, 1997..	1 343	88	1	16	2	1	42
..... 1992..	1 879	90	29	14	12	1	7
acres on which used, 1997..	111 504	468	(D)	1 080	(D)	(D)	6 843
..... 1992..	109 089	434	999	1 651	486	(D)	341
Chemicals used	Ohio						
	Belmont	Brown	Butler	Carroll	Champaign	Clark	Clermont
Commercial fertilizer farms, 1997..	311	1 175	561	447	558	406	512
..... 1992..	339	1 253	525	425	665	540	513
acres on which used, 1997..	18 058	105 221	81 469	30 693	143 502	114 729	35 782
..... 1992..	12 517	96 299	68 082	32 816	135 590	123 538	39 114
Cropland fertilized, except pastureland farms, 1997..	272	1 123	514	418	537	382	469
..... 1992..	312	1 238	521	417	665	523	495
acres on which used, 1997..	15 312	96 196	76 729	28 722	141 241	112 834	34 812
..... 1992..	10 309	90 645	67 691	30 678	134 391	122 688	36 574
Pastureland and rangeland fertilized..... farms, 1997..	87	245	116	107	90	63	92
..... 1992..	99	162	27	81	42	38	94
acres on which used, 1997..	2 746	9 025	4 740	1 971	2 261	1 895	970
..... 1992..	2 208	5 654	391	2 138	1 199	850	2 540
Sprays, dusts, granules, fumigants, etc., to control—							
Insects on hay and other crops farms, 1997..	22	255	129	89	261	103	196
..... 1992..	78	614	390	110	336	183	249
acres on which used, 1997..	214	16 094	18 004	9 753	30 649	15 701	10 033
..... 1992..	1 562	13 337	27 844	9 650	46 908	24 682	2 643
Nematodes in crops farms, 1997..	—	25	8	10	13	12	9
..... 1992..	1	26	21	3	30	19	1
acres on which used, 1997..	—	1 167	(D)	288	1 035	1 370	180
..... 1992..	(D)	639	2 375	1 190	2 699	1 627	(D)
Diseases in crops and orchards..... farms, 1997..	4	112	3	23	52	11	129
..... 1992..	25	254	35	10	23	26	52
acres on which used, 1997..	4	2 496	(D)	1 354	2 547	1 180	639
..... 1992..	196	2 092	919	174	1 745	952	113
Weeds, grass, or brush in crops and pasture farms, 1997..	80	514	374	247	399	330	214
..... 1992..	147	732	419	245	517	398	281
acres on which used, 1997..	1 390	71 402	57 160	16 090	134 500	113 023	20 684
..... 1992..	3 433	67 380	51 136	12 301	130 435	117 865	33 452
Chemicals used on crops to control growth, thin fruit, or defoliate farms, 1997..	9	67	19	1	25	11	34
..... 1992..	4	125	19	7	23	11	27
acres on which used, 1997..	85	1 421	10 751	(D)	3 322	14	320
..... 1992..	(D)	2 741	1 648	93	1 195	133	242

Table 10. Agricultural Chemicals Used, Including Fertilizer: 1997 and 1992—Con.

[Data are based on a sample of farms. For meaning of abbreviations and symbols, see introductory text]

Chemicals used	Clinton	Columbiana	Coshocton	Crawford	Cuyahoga	Darke	Defiance
	Commercial fertilizer farms, 1997..	603	635	526	590	58	1 362
..... farms, 1992..	648	639	560	642	85	1 518	678
acres on which used, 1997..	151 659	54 877	53 728	167 987	378	218 422	97 301
..... acres on which used, 1992..	154 845	56 090	50 331	155 534	890	218 396	95 959
Cropland fertilized, except pastureland farms, 1997..	584	626	513	569	58	1 340	590
..... farms, 1992..	629	619	526	642	72	1 502	670
acres on which used, 1997..	151 386	52 713	48 590	167 593	378	217 596	96 917
..... acres on which used, 1992..	153 509	55 205	46 779	155 032	687	217 955	95 791
Pastureland and rangeland fertilized..... farms, 1997..	34	83	136	44	—	91	39
..... farms, 1992..	49	50	134	21	15	67	9
acres on which used, 1997..	273	2 164	5 138	394	—	826	384
..... acres on which used, 1992..	1 336	885	3 552	502	203	441	168
Sprays, dusts, granules, fumigants, etc., to control—							
Insects on hay and other crops farms, 1997..	176	247	189	136	38	420	102
..... farms, 1992..	281	230	271	205	63	505	124
acres on which used, 1997..	28 906	17 258	24 691	18 113	276	29 495	7 934
..... acres on which used, 1992..	54 124	16 359	18 947	16 882	415	32 889	10 007
Nematodes in crops farms, 1997..	3	5	25	—	2	2	21
..... farms, 1992..	12	37	9	10	2	28	2
acres on which used, 1997..	513	789	1 673	—	(D)	(D)	1 118
..... acres on which used, 1992..	1 739	2 087	607	1 852	(D)	435	(D)
Diseases in crops and orchards..... farms, 1997..	3	80	30	33	19	66	43
..... farms, 1992..	19	35	30	27	30	37	36
acres on which used, 1997..	140	2 822	1 380	6 671	88	3 878	2 185
..... acres on which used, 1992..	1 121	1 554	326	243	305	1 847	1 674
Weeds, grass, or brush in crops and pasture farms, 1997..	447	379	324	508	21	1 166	526
..... farms, 1992..	518	493	350	485	36	1 217	594
acres on which used, 1997..	133 494	33 892	36 334	150 813	229	215 866	93 929
..... acres on which used, 1992..	144 194	33 365	33 690	137 181	512	212 186	112 639
Chemicals used on crops to control growth, thin fruit, or defoliate farms, 1997..	9	54	17	28	9	16	21
..... farms, 1992..	27	36	29	5	3	36	11
acres on which used, 1997..	(D)	5 042	164	3 460	41	1 315	3 746
..... acres on which used, 1992..	2 212	1 096	375	1 623	6	4 543	984
Chemicals used	Delaware	Erie	Fairfield	Fayette	Franklin	Fulton	Gallia
Commercial fertilizer farms, 1997..	412	244	651	398	245	663	536
..... farms, 1992..	396	332	765	429	286	717	630
acres on which used, 1997..	94 368	56 744	137 807	175 253	53 571	138 305	24 141
..... acres on which used, 1992..	93 945	69 174	124 709	143 615	57 061	153 647	17 509
Cropland fertilized, except pastureland farms, 1997..	393	244	640	387	237	654	501
..... farms, 1992..	386	332	741	425	285	717	596
acres on which used, 1997..	93 401	56 632	135 118	173 808	53 298	138 212	18 157
..... acres on which used, 1992..	93 217	69 174	121 097	143 124	56 370	(D)	13 302
Pastureland and rangeland fertilized..... farms, 1997..	44	19	108	46	10	10	151
..... farms, 1992..	27	—	81	16	13	2	146
acres on which used, 1997..	967	112	2 689	1 445	273	93	5 984
..... acres on which used, 1992..	728	—	3 612	491	691	(D)	4 207
Sprays, dusts, granules, fumigants, etc., to control—							
Insects on hay and other crops farms, 1997..	132	110	237	160	81	289	110
..... farms, 1992..	133	115	272	187	132	310	245
acres on which used, 1997..	7 571	9 261	35 208	31 505	7 708	33 665	2 703
..... acres on which used, 1992..	13 201	11 203	40 791	31 458	8 378	39 455	2 909
Nematodes in crops farms, 1997..	12	7	31	4	2	13	19
..... farms, 1992..	27	3	19	14	1	23	7
acres on which used, 1997..	(D)	370	2 300	3 175	(D)	1 239	1 482
..... acres on which used, 1992..	2 387	547	5 466	2 625	(D)	1 364	79
Diseases in crops and orchards..... farms, 1997..	47	25	23	2	7	21	60
..... farms, 1992..	38	26	37	6	26	72	61
acres on which used, 1997..	838	1 204	1 851	(D)	78	1 809	441
..... acres on which used, 1992..	6 003	864	1 322	1 146	124	5 422	360
Weeds, grass, or brush in crops and pasture farms, 1997..	323	206	491	301	163	514	138
..... farms, 1992..	381	285	559	316	204	562	154
acres on which used, 1997..	91 562	52 700	100 185	151 379	45 387	128 558	6 244
..... acres on which used, 1992..	103 259	62 904	90 211	133 878	49 848	127 216	4 763
Chemicals used on crops to control growth, thin fruit, or defoliate farms, 1997..	28	9	11	11	9	15	53
..... farms, 1992..	8	15	51	18	3	54	104
acres on which used, 1997..	4 967	(D)	307	(D)	26	3 968	576
..... acres on which used, 1992..	230	1 273	4 173	2 040	(D)	2 660	447

Table 10. Agricultural Chemicals Used, Including Fertilizer: 1997 and 1992—Con.

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Chemicals used	Geauga	Greene	Guernsey	Hamilton	Hancock	Hardin	Harrison
	Commercial fertilizer farms, 1997..	386	557	430	156	840	661
..... 1992..	456	626	446	154	910	737	210
acres on which used, 1997..	16 468	112 953	21 339	8 391	192 394	152 444	13 586
..... 1992..	16 532	117 376	16 618	9 757	193 126	154 999	12 170
Cropland fertilized, except pastureland farms, 1997..	357	543	387	148	840	656	175
..... 1992..	447	614	439	134	908	737	199
acres on which used, 1997..	16 077	111 363	17 998	8 261	192 215	151 451	9 821
..... 1992..	15 761	115 768	12 574	9 192	193 017	154 809	11 182
Pastureland and rangeland fertilized..... farms, 1997..	63	56	82	9	14	20	50
..... 1992..	67	66	90	21	13	9	53
acres on which used, 1997..	391	1 590	3 341	130	179	993	3 765
..... 1992..	771	1 608	4 044	565	109	190	988
Sprays, dusts, granules, fumigants, etc., to control—							
Insects on hay and other crops farms, 1997..	64	184	55	63	167	136	12
..... 1992..	135	207	246	185	205	106	74
acres on which used, 1997..	1 475	22 467	1 933	2 238	23 179	17 347	3 517
..... 1992..	1 641	27 898	5 417	4 704	19 956	10 550	3 955
Nematodes in crops farms, 1997..	1	8	—	16	8	26	8
..... 1992..	8	19	—	10	22	8	—
acres on which used, 1997..	(D)	956	—	671	2 035	1 448	474
..... 1992..	56	776	—	701	1 764	346	—
Diseases in crops and orchards..... farms, 1997..	30	3	18	30	25	18	—
..... 1992..	38	63	10	35	39	20	—
acres on which used, 1997..	626	(D)	150	162	1 153	1 334	—
..... 1992..	516	2 525	37	230	1 903	3 282	—
Weeds, grass, or brush in crops and pasture farms, 1997..	221	414	95	53	740	438	105
..... 1992..	339	526	150	65	755	649	97
acres on which used, 1997..	11 242	99 893	6 227	4 831	177 208	141 855	5 603
..... 1992..	9 750	112 643	3 972	6 724	168 934	148 439	5 684
Chemicals used on crops to control growth, thin fruit, or defoliate farms, 1997..	8	14	18	7	10	—	—
..... 1992..	7	22	8	15	30	39	6
acres on which used, 1997..	27	6 702	314	70	(D)	—	—
..... 1992..	405	1 714	56	24	1 425	3 645	42
Chemicals used							
	Henry	Highland	Hocking	Holmes	Huron	Jackson	Jefferson
Commercial fertilizer farms, 1997..	779	834	244	1 030	533	276	199
..... 1992..	896	937	198	1 057	605	223	228
acres on which used, 1997..	187 303	114 874	11 270	66 761	134 771	19 954	7 611
..... 1992..	160 254	126 909	6 295	64 541	126 134	11 889	8 563
Cropland fertilized, except pastureland farms, 1997..	779	782	232	989	533	257	199
..... 1992..	896	926	183	1 044	598	199	221
acres on which used, 1997..	187 268	111 016	8 666	62 705	134 208	15 586	7 131
..... 1992..	160 210	121 785	5 024	61 623	125 736	8 668	7 734
Pastureland and rangeland fertilized..... farms, 1997..	7	142	96	160	25	102	25
..... 1992..	11	133	60	157	12	74	37
acres on which used, 1997..	35	3 858	2 604	4 056	563	4 368	480
..... 1992..	44	5 124	1 271	2 918	398	3 221	829
Sprays, dusts, granules, fumigants, etc., to control—							
Insects on hay and other crops farms, 1997..	172	192	27	451	143	17	58
..... 1992..	197	400	25	404	146	33	43
acres on which used, 1997..	23 063	15 643	1 028	19 699	12 920	(D)	706
..... 1992..	17 370	30 101	375	14 392	18 324	1 622	1 076
Nematodes in crops farms, 1997..	13	2	—	36	13	1	—
..... 1992..	9	19	—	17	8	1	1
acres on which used, 1997..	1 479	(D)	—	623	1 159	(D)	—
..... 1992..	1 185	3 500	—	1 386	212	(D)	(D)
Diseases in crops and orchards..... farms, 1997..	32	38	6	63	30	8	27
..... 1992..	23	55	3	49	27	18	—
acres on which used, 1997..	2 715	567	84	605	5 350	30	743
..... 1992..	2 273	1 683	(D)	1 294	5 750	243	—
Weeds, grass, or brush in crops and pasture farms, 1997..	638	554	105	751	465	75	128
..... 1992..	766	648	93	761	538	85	145
acres on which used, 1997..	162 705	94 297	4 748	45 452	121 826	4 636	3 041
..... 1992..	163 298	93 776	3 993	36 209	126 804	3 069	4 947
Chemicals used on crops to control growth, thin fruit, or defoliate farms, 1997..	20	31	—	9	14	—	10
..... 1992..	27	56	1	20	7	10	9
acres on which used, 1997..	1 482	146	—	360	1 410	—	120
..... 1992..	3 522	1 919	(D)	1 071	1 043	89	40

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Chemicals used	Knox		Lake		Lawrence		Licking		Logan		Lorain		Lucas	
	1997..	1992..	1997..	1992..	1997..	1992..	1997..	1992..	1997..	1992..	1997..	1992..	1997..	1992..
Commercial fertilizer farms,	639	674	139	190	329	357	693	762	562	608	548	617	252	281
acres on which used,	102 720	82 379	5 928	5 828	6 836	7 292	109 148	99 983	119 872	124 098	67 200	79 681	54 679	57 503
1992..														
1992..														
Cropland fertilized, except pastureland farms,	623	668	127	178	315	338	679	749	540	607	542	617	246	281
acres on which used,	100 849	81 055	5 840	5 780	4 721	5 499	105 840	97 190	118 360	123 484	66 782 (D)	79 681	54 661	57 503
1992..														
1992..														
Pastureland and rangeland fertilized..... farms,	100	44	15	12	74	66	134	97	75	38	14	1	6	-
acres on which used,	1 871	1 324	88	48	2 115	1 793	3 308	2 793	1 512	614	418 (D)	418 (D)	18	-
1992..														
1992..														
Sprays, dusts, granules, fumigants, etc., to control—														
Insects on hay and other crops farms,	218	385	102	155	73	160	201	424	221	349	163	224	41	142
acres on which used,	21 461	32 411	3 822	4 309	533	895	21 694	24 203	18 805	28 485	8 884	11 624	6 948	10 416
1992..														
1992..														
Nematodes in crops farms,	-	8	6	11	-	-	24	2	22	10	11	33	2	15
acres on which used,	-	340	133	55	-	-	187 (D)	2	1 038	1 033	21	2 221	(D)	601
1992..														
1992..														
Diseases in crops and orchards..... farms,	15	19	88	71	55	46	18	34	45	12	131	77	13	44
acres on which used,	995	848	2 735	2 554	236	89	726	1 325	1 978	324	5 192	1 932	1 716	2 973
1992..														
1992..														
Weeds, grass, or brush in crops and pasture farms,	521	461	99	107	78	80	514	537	391	411	399	500	203	242
acres on which used,	93 661	65 422	3 916	4 398	1 417	3 488	109 910	89 266	107 751	108 971	57 397	67 345	63 352	53 291
1992..														
1992..														
Chemicals used on crops to control growth, thin fruit, or defoliate farms,	18	31	20	12	26	42	29	26	8	20	40	17	4	13
acres on which used,	2 349	1 173	117	221	87	212	2 818	2 047	8	8	871	847	(D)	453
1992..														
1992..														

Chemicals used	Madison		Mahoning		Marion		Medina		Meigs		Mercer		Miami		Monroe	
	1997..	1992..	1997..	1992..	1997..	1992..	1997..	1992..	1997..	1992..	1997..	1992..	1997..	1992..	1997..	1992..
Commercial fertilizer farms,	513	506	356	372	386	464	552	614	266	321	1 011	1 127	818	823	337	378
acres on which used,	181 246	175 498	33 697	37 463	151 370	122 219	49 480	44 558	13 248	12 844	187 968	185 421	128 540	125 061	14 215	16 279
1992..																
1992..																
Cropland fertilized, except pastureland farms,	507	505	351	372	386	464	534	596	257	313	1 011	1 120	801	823	322	356
acres on which used,	180 671	175 166	32 841	35 704	150 766	122 164	48 775	44 213	10 546	11 731	187 742	185 194	127 868	124 684	9 935	11 783
1992..																
1992..																
Pastureland and rangeland fertilized..... farms,	39	12	58	76	23	7	55	52	72	33	42	21	46	39	94	154
acres on which used,	575	332	856	1 759	604	55	705	345	2 702	1 113	226	227	672	377	4 280	4 496
1992..																
1992..																
Sprays, dusts, granules, fumigants, etc., to control—																
Insects on hay and other crops farms,	174	136	114	175	74	138	127	249	44	216	355	583	277	276	64	105
acres on which used,	34 507	24 115	8 417	9 921	12 534	9 623	8 494	7 403	2 705	4 070	28 668	46 695	30 599	26 179	1 313	931
1992..																
1992..																
Nematodes in crops farms,	20	13	23	5	6	12	8	3	1	1	31	26	14	5	-	-
acres on which used,	1 785	1 844	1 160 (D)	(D)	261	139	1 554 (D)	(D)	(D)	(D)	1 418	1 861	1 298	2 337	-	-
1992..																
1992..																
Diseases in crops and orchards..... farms,	29	1	59	60	5	30	56	102	21	39	18	9	49	18	14	9
acres on which used,	3 364 (D)	(D)	1 733	1 549	255	364	925	990	1 041	995	2 388	3 170	2 673	3 563	32	12
1992..																
1992..																
Weeds, grass, or brush in crops and pasture farms,	403	433	242	303	337	411	387	413	66	96	739	767	599	697	164	139
acres on which used,	193 054	170 420	20 968	22 222	171 963	149 629	38 657	33 813	4 921	3 953	142 827	130 023	120 398	128 481	2 670	4 210
1992..																
1992..																
Chemicals used on crops to control growth, thin fruit, or defoliate farms,	11	18	11	9	19	11	20	39	15	9	13	20	27	19	20	1
acres on which used,	2 100	1 550	171	467	(D)	1 264	292	430	235	171	1 322	3 705	2 717	2 324	97	(D)
1992..																
1992..																

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Chemicals used	Montgomery	Morgan	Morrow	Muskingum	Noble	Ottawa	Paulding	Perry
	Commercial fertilizer farms, 1997..	519	307	418	559	269	376	392
..... 1992..	556	337	584	584	285	411	513	382
acres on which used, 1997..	70 058	12 312	86 458	30 804	12 860	67 299	106 167	31 509
..... 1992..	72 882	22 907	102 554	45 336	12 242	64 564	112 795	34 838
Cropland fertilized, except pastureland farms, 1997..	498	298	411	527	253	376	392	309
..... 1992..	535	332	570	582	277	411	513	373
acres on which used, 1997..	69 552	11 879	86 201	27 279	11 158	67 249	106 167	30 182
..... 1992..	72 462	19 289	101 933	42 485	9 239	64 564	112 781	34 360
Pastureland and rangeland fertilized..... farms, 1997..	29	31	20	124	88	10	—	72
..... 1992..	45	84	40	83	74	—	7	36
acres on which used, 1997..	506	433	257	3 525	1 702	50	—	1 327
..... 1992..	420	3 618	621	2 851	3 003	—	14	478
Sprays, dusts, granules, fumigants, etc., to control—								
Insects on hay and other crops farms, 1997..	154	18	118	121	10	49	52	113
..... 1992..	228	184	121	255	137	118	63	105
acres on which used, 1997..	14 502	628	14 095	7 187	1 240	6 054	12 436	11 439
..... 1992..	24 275	8 216	10 588	15 303	5 879	11 062	10 004	9 357
Nematodes in crops farms, 1997..	10	—	8	8	7	—	2	—
..... 1992..	7	14	5	21	—	14	5	33
acres on which used, 1997..	500	—	1 703	24	84	—	(D)	—
..... 1992..	154	178	1 085	867	—	1 629	250	6 519
Diseases in crops and orchards..... farms, 1997..	22	2	16	24	1	35	20	20
..... 1992..	53	17	10	29	4	68	21	2
acres on which used, 1997..	231	(D)	1 423	762	(D)	2 503	3 278	563
..... 1992..	1 082	164	1 003	921	60	3 511	4 382	(D)
Weeds, grass, or brush in crops and pasture farms, 1997..	395	115	308	231	42	323	387	146
..... 1992..	499	160	448	331	65	397	460	207
acres on which used, 1997..	67 391	2 582	75 303	17 587	1 066	67 266	123 142	16 427
..... 1992..	66 594	7 880	94 063	25 007	2 553	62 466	138 656	23 478
Chemicals used on crops to control growth, thin fruit, or defoliate farms, 1997..	3	—	—	1	—	13	16	6
..... 1992..	13	11	21	6	—	16	7	9
acres on which used, 1997..	3	—	—	(D)	—	238	2 513	6
..... 1992..	58	186	7 394	336	—	3 559	(D)	45

Chemicals used	Pickaway	Pike	Portage	Preble	Putnam	Richland	Ross	Sandusky
	Commercial fertilizer farms, 1997..	483	256	375	682	1 212	539	550
..... 1992..	561	265	454	836	1 310	691	582	737
acres on which used, 1997..	195 217	16 480	39 121	134 905	203 356	81 081	119 379	124 946
..... 1992..	193 563	21 456	41 113	143 821	189 161	89 031	126 081	141 445
Cropland fertilized, except pastureland farms, 1997..	454	228	359	665	1 207	523	528	602
..... 1992..	549	250	447	836	1 310	671	576	737
acres on which used, 1997..	189 923	14 800	38 035	134 326	203 153	79 569	113 881	124 877
..... 1992..	190 369	19 439	40 355	142 854	188 937	87 961	122 783	141 304
Pastureland and rangeland fertilized..... farms, 1997..	79	67	69	46	17	71	117	20
..... 1992..	66	80	52	54	13	79	70	17
acres on which used, 1997..	5 294	1 680	1 086	579	203	1 512	5 498	69
..... 1992..	3 194	2 017	758	967	224	1 070	3 298	141
Sprays, dusts, granules, fumigants, etc., to control—								
Insects on hay and other crops farms, 1997..	186	29	84	307	316	146	117	149
..... 1992..	300	77	137	444	305	258	306	180
acres on which used, 1997..	32 394	2 333	4 782	39 734	25 295	11 396	14 136	20 368
..... 1992..	41 801	9 362	7 949	49 824	19 173	16 214	19 441	30 077
Nematodes in crops farms, 1997..	28	—	1	29	19	—	19	49
..... 1992..	16	—	4	18	24	28	15	9
acres on which used, 1997..	841	—	(D)	3 134	639	—	4 059	7 575
..... 1992..	2 641	—	(D)	2 903	1 260	2 124	3 125	1 325
Diseases in crops and orchards..... farms, 1997..	13	19	68	29	69	18	34	72
..... 1992..	38	10	37	10	35	42	25	68
acres on which used, 1997..	155	794	888	240	4 078	360	4 810	6 288
..... 1992..	1 521	17	560	137	4 395	3 326	2 468	3 668
Weeds, grass, or brush in crops and pasture farms, 1997..	352	95	218	494	959	413	339	501
..... 1992..	445	134	307	647	1 114	553	422	609
acres on which used, 1997..	167 884	8 563	29 928	114 286	165 540	73 608	108 054	123 521
..... 1992..	150 802	10 508	29 407	115 814	177 066	77 629	100 796	140 993
Chemicals used on crops to control growth, thin fruit, or defoliate farms, 1997..	5	22	10	24	20	22	—	16
..... 1992..	18	1	4	3	38	29	25	19
acres on which used, 1997..	1 168	820	141	3 441	2 276	2 121	—	1 314
..... 1992..	816	(D)	(D)	(D)	6 029	285	1 011	1 455

Table 10. Agricultural Chemicals Used, Including Fertilizer: 1997 and 1992—Con.

[Data are based on a sample of farms. For meaning of abbreviations and symbols, see introductory text]

Chemicals used	Scioto	Seneca	Shelby	Stark	Summit	Trumbull	Tuscarawas	Union
	Commercial fertilizer farms, 1997..	455	950	783	716	150	456	587
..... farms, 1992..	454	1 100	871	787	150	608	531	582
acres on which used, 1997..	36 377	201 335	146 836	65 472	6 391	58 355	58 195	123 432
..... farms, 1992..	24 479	189 581	142 098	73 119	8 183	56 256	46 880	114 825
Cropland fertilized, except pastureland farms, 1997..	422	943	766	696	132	456	567	515
..... farms, 1992..	453	1 095	852	760	142	594	524	573
acres on which used, 1997..	32 181	201 260	145 980	63 723	5 655	57 817	52 896	122 904
..... farms, 1992..	22 536	189 150	141 743	71 213	7 999	55 644	42 563	114 448
Pastureland and rangeland fertilized..... farms, 1997..	121	10	40	74	35	26	149	43
..... farms, 1992..	106	33	33	101	13	47	112	20
acres on which used, 1997..	4 196	75	856	1 749	736	538	5 299	528
..... farms, 1992..	1 943	431	355	1 906	184	612	4 317	377
Sprays, dusts, granules, fumigants, etc., to control—								
Insects on hay and other crops farms, 1997..	79	159	256	223	51	100	189	170
..... farms, 1992..	132	249	280	340	85	192	216	255
acres on which used, 1997..	4 800	27 363	26 553	12 534	593	15 326	16 192	15 405
..... farms, 1992..	3 370	24 724	18 134	19 337	2 627	9 584	18 005	20 925
Nematodes in crops farms, 1997..	16	16	9	21	1	1	11	8
..... farms, 1992..	—	11	17	22	2	3	32	14
acres on which used, 1997..	166	808	803	2 160	(D)	(D)	4 130	796
..... farms, 1992..	—	1 858	2 139	1 548	(D)	(D)	2 045	1 129
Diseases in crops and orchards..... farms, 1997..	60	35	6	73	37	39	10	48
..... farms, 1992..	35	30	11	75	30	47	29	36
acres on which used, 1997..	309	3 319	35	2 178	136	7 571	56	1 028
..... farms, 1992..	532	2 257	418	1 616	243	2 426	1 758	2 220
Weeds, grass, or brush in crops and pasture farms, 1997..	163	802	621	488	68	369	327	454
..... farms, 1992..	200	890	701	509	72	423	352	479
acres on which used, 1997..	23 903	168 034	123 823	48 163	3 132	50 542	31 667	131 963
..... farms, 1992..	20 530	174 957	113 543	39 873	4 553	42 359	24 993	126 018
Chemicals used on crops to control growth, thin fruit, or defoliate farms, 1997..	48	23	—	8	—	1	1	17
..... farms, 1992..	26	10	22	25	5	15	35	37
acres on which used, 1997..	1 632	2 633	—	184	—	(D)	(D)	410
..... farms, 1992..	146	680	2 154	1 149	(D)	616	1 261	1 072
Chemicals used	Van Wert	Vinton	Warren	Washington	Wayne	Williams	Wood	Wyandot
Commercial fertilizer farms, 1997..	621	106	401	553	1 066	511	864	516
..... farms, 1992..	695	90	577	578	1 185	593	970	589
acres on which used, 1997..	176 623	6 306	57 758	34 843	130 783	108 081	211 596	142 963
..... farms, 1992..	170 615	5 629	74 687	33 481	136 075	127 269	204 315	137 071
Cropland fertilized, except pastureland farms, 1997..	621	97	380	525	1 047	505	864	516
..... farms, 1992..	695	88	552	565	1 163	593	970	589
acres on which used, 1997..	176 619	6 131	57 031	28 524	128 205	107 418	211 166	142 848
..... farms, 1992..	170 597	4 989	73 250	28 442	133 434	127 039	(D)	136 866
Pastureland and rangeland fertilized..... farms, 1997..	4	26	38	188	134	29	15	5
..... farms, 1992..	7	11	65	109	157	11	1	18
acres on which used, 1997..	4	175	727	6 319	2 578	663	430	115
..... farms, 1992..	18	640	1 437	5 039	2 641	230	(D)	205
Sprays, dusts, granules, fumigants, etc., to control—								
Insects on hay and other crops farms, 1997..	124	5	103	128	446	172	169	74
..... farms, 1992..	132	40	312	232	545	188	251	111
acres on which used, 1997..	8 426	(D)	12 743	6 624	37 350	10 787	14 638	8 616
..... farms, 1992..	8 825	1 826	21 282	9 831	41 364	24 307	22 978	11 521
Nematodes in crops farms, 1997..	14	—	2	33	25	3	23	—
..... farms, 1992..	2	—	11	2	42	35	23	10
acres on which used, 1997..	854	—	(D)	983	5 580	1 027	1 054	—
..... farms, 1992..	(D)	—	340	(D)	5 886	4 844	1 800	375
Diseases in crops and orchards..... farms, 1997..	11	—	45	40	70	25	45	10
..... farms, 1992..	12	—	92	64	93	14	41	12
acres on which used, 1997..	116	—	1 392	1 417	3 034	1 282	3 980	770
..... farms, 1992..	25	—	3 140	1 546	3 250	1 551	4 375	388
Weeds, grass, or brush in crops and pasture farms, 1997..	497	15	237	267	740	475	786	428
..... farms, 1992..	601	41	404	285	873	478	785	499
acres on which used, 1997..	168 823	736	51 971	14 649	87 835	105 696	209 382	136 597
..... farms, 1992..	174 253	2 526	68 118	12 478	90 337	84 608	203 960	135 836
Chemicals used on crops to control growth, thin fruit, or defoliate farms, 1997..	7	—	1	1	10	2	31	7
..... farms, 1992..	8	—	22	34	42	20	35	10
acres on which used, 1997..	273	—	(D)	(D)	354	(D)	3 544	1 169
..... farms, 1992..	3 933	—	1 076	980	1 207	2 692	3 860	1 721